CENTRAL FAX CENTER

PRITZKAU PATENT GROUP LLC

13337 Misty Street Broomfield, CO 80020 APR 0 8 2003

Attorneys Michael Pritzkau

Patents, Trademarks, Copyrights & Related Intellectual

Property Matters

Fax: 303-410-9258

Stephen Shear

Phone: 303-661-0901

Phone: 303-410-9254

Phone: 303-499-3859

Yoriko Morita

Patent Agents

Jay Beyer

Phone: 303-673-9993

FACSIMILE TRANSMITTAL SHEET

CONFIDENTIAL NOTE: The information contained on this facsimile (FAX) message is legally privileged and confidential information intended only for the use of the receiver or firm named below. If the reader of this message is not the intended receiver, you are hereby notified that any dissemination, distribution or copy of this FAX is strictly prohibited. If you have received this FAX in error, please immediately notify the sender at the telephone number provided above (collect) and return the original message to the sender at the address above via the United States Postal Service. Thank you.

Examiner Shawntina T. Fuqua To

USPTO

From

Jay Beyer

Pritzkau Patent Group

Number of Pages (including cover) 5

Date Sent

April 8, 2005

Fax #:

703-872-9306

Message

Response to Office Action

Examiner Shawntina T. Fuqua,

Please enter the following documents into the file for application serial number 10/706,367. The following documents include:

> Fax cover sheet 1 page 2 pages Response Transmittal (in duplicate) Response to Restriction Requirement 2 pages

> > 5 pages **Total Pages**

If there are any questions regarding this fax, please call Jay Beyer at 303-499-3859.

Sincerely,

Jay Beyer

RECEIVED Central fax centrer

APR 0 9 2005

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Daniel J. Devine, et al. Daniel J. Devine, et al. Art Unit: 3742 Serial No: 10/706,367 Date: April 8, 2005 For: SHADOW-FREE SHUTTER ARRANGEMENT AND METHOD CERTIFICATE OF ELECTRONIC TRANSFER: I hereby certify that this correspondence is being electronically attentitied to the writed States Patent and Trademark Office on April 8, 2005. Commissioner of Patents P.O. Box 1450 Alexandria, VA 22313-1450 SIR: Transmitted herewith is a response for the above application. Small entity status of this application under 37 C.F.R. §§ 1.9 and 1.27 has been established No additional fee is required. Postcard included The fee has been calculated as shown below: (Col. 1) (Col. 2) (Col. 3) SMALL ENTITY NON-SMALL ENTITY Claims Previously Present Extra Rate Additional Rate Additional Fee Remaining Paid For
Serial No: 10/706,367 Attorney Docket: MAT-7 Filed: November 12, 2003 Date: April 8, 2005 For: SHADOW-FREE SHUTTER ARRANGEMENT AND METHOD Date: April 8, 2005 CERTIFICATE OF ELECTRONIC TRANSFER: I hereby certify that this correspondence is being electronically artismitted to the United States Patent and Trademark Office on April 8, 2005. Commissioner of Patents P.O. Box 1450 Alexandria, VA 22313-1450
Filed: November 12, 2003 Date: April 8, 2005 For: SHADOW-FREE SHUTTER ARRANGEMENT AND METHOD CERTIFICATE OF ELECTRONIC TRANSFER: I hereby certify that this correspondence is being electronically and smitted to the United States Patent and Trademark Office on April 8, 2005. Signed: Jay R Beyer Commissioner of Patents P.O. Box 1450 SIR: Transmitted herewith is a response for the above application. Small entity status of this application under 37 C.F.R. §§ 1.9 and 1.27 has been established No additional fee is required. Postcard included The fee has been calculated as shown below: (Col. 1) (Col. 2) (Col. 3) SMALL ENTITY NON-SMALL ENTITY Claims Previously Present Extra Rate Additional Rate Additional Fee
Filed: November 12, 2003 Date: April 8, 2005 For: SHADOW-FREE SHUTTER ARRANGEMENT AND METHOD CERTIFICATE OF ELECTRONIC TRANSFER: I hereby certify that this correspondence is being electronically redemitted to the United States Patent and Trademark Office on April 8, 2005. Commissioner of Patents P.O. Box 1450 Alexandria, VA 22313-1450 SIR: Transmitted herewith is a response for the above application. Small entity status of this application under 37 C.F.R. §§ 1.9 and 1.27 has been established No additional fee is required. Postcard included The fee has been calculated as shown below: (Col. 1) (Col. 2) (Col. 3) SMALL ENTITY NON-SMALL ENTITY NON-SMALL ENTITY ENTITY Rate Additional Rate Additional Rate Additional Fee
Date: April 8, 2005 For: SHADOW-FREE SHUTTER ARRANGEMENT AND METHOD CERTIFICATE OF ELECTRONIC TRANSFER: I hereby certify that this correspondence is being electronically transmitted to the United States Patent and Trademark Office on April 8, 2005. Signed: Jay R Beyer Commissioner of Patents P.O. Box 1450 Alexandria, VA 22313-1450 SIR: Transmitted herewith is a response for the above application. Small entity status of this application under 37 C.F.R. §§ 1.9 and 1.27 has been established No additional fee is required. Postcard included The fee has been calculated as shown below: (Col. 1) (Col. 2) (Col. 3) SMALL ENTITY NON-SMALL ENTITY Claims Previously Present Extra Rate Additional Rate Additional Fee
CERTIFICATE OF ELECTRONIC TRANSFER: I hereby certify that this correspondence is being electronically redemitted to the United States Patent and Trademark Office on April 8, 2005. Signed: Jay R Beyer Commissioner of Patents P.O. Box 1450 Alexandria, VA 22313-1450 SIR: Transmitted herewith is a response for the above application. Small entity status of this application under 37 C.F.R. §§ 1.9 and 1.27 has been established No additional fee is required. Postcard included The fee has been calculated as shown below: (Col. 1) (Col. 2) (Col. 3) SMALL ENTITY NON-SMALL ENTITY Claims Previously Present Extra Rate Additional Rate Additional Fee
CERTIFICATE OF ELECTRONIC TRANSFER: I hereby certify that this correspondence is being electronically transmitted to the United States Patent and Trademark Office on April 8, 2005. Signed: Jay R Beyer Commissioner of Patents P.O. Box 1450 Alexandria, VA 22313-1450 SIR: Transmitted herewith is a response for the above application. Small entity status of this application under 37 C.F.R. §§ 1.9 and 1.27 has been established No additional fee is required. Postcard included The fee has been calculated as shown below: (Col. 1) (Col. 2) (Col. 3) SMALL ENTITY NON- SMALL ENTITY Claims Previously Present Extra Rate Additional Rate Additional Fee
Patent and Trademark Office on April 8, 2005. Commissioner of Patents P.O. Box 1450 Alexandria, VA 22313-1450 SIR: Transmitted herewith is a response for the above application. Small entity status of this application under 37 C.F.R. §§ 1.9 and 1.27 has been established No additional fee is required. Postcard included The fee has been calculated as shown below: (Col. 1) (Col. 2) (Col. 3) SMALL ENTITY NON-SMALL ENTITY Claims Previously Present Extra Rate Additional Rate Additional Fee
Commissioner of Patents P.O. Box 1450 Alexandria, VA 22313-1450 SIR: Transmitted herewith is a response for the above application. Small entity status of this application under 37 C.F.R. §§ 1.9 and 1.27 has been established No additional fee is required. Postcard included The fee has been calculated as shown below: (Col. 1) (Col. 2) (Col. 3) SMALL ENTITY NON-SMALL ENTITY Claims Previously Present Extra Rate Additional Rate Additional Fee
Commissioner of Patents P.O. Box 1450 Alexandria, VA 22313-1450 SIR: Transmitted herewith is a response for the above application. Small entity status of this application under 37 C.F.R. §§ 1.9 and 1.27 has been established No additional fee is required. Postcard included The fee has been calculated as shown below: (Col. 1) (Col. 2) (Col. 3) SMALL ENTITY NON- SMALL ENTITY Claims Previously Present Extra Rate Additional Rate Additional Fee
P.O. Box 1450 Alexandria, VA 22313-1450 SIR: Transmitted herewith is a response for the above application. Small entity status of this application under 37 C.F.R. §§ 1.9 and 1.27 has been established No additional fee is required. Postcard included The fee has been calculated as shown below: (Col. 1) (Col. 2) (Col. 3) SMALL ENTITY NON- SMALL ENTITY Claims Previously Present Extra Rate Additional Rate Additional Fee
Alexandria, VA 22313-1450 SIR: Transmitted herewith is a response for the above application. Small entity status of this application under 37 C.F.R. §§ 1.9 and 1.27 has been established No additional fee is required. Postcard included The fee has been calculated as shown below: (Col. 1) (Col. 2) (Col. 3) SMALL ENTITY NON- SMALL ENTITY Claims Previously Present Extra Rate Additional Rate Additional Fee
SIR: Transmitted herewith is a response for the above application. Small entity status of this application under 37 C.F.R. §§ 1.9 and 1.27 has been established No additional fee is required. Postcard included The fee has been calculated as shown below: (Col. 1) (Col. 2) (Col. 3) SMALL ENTITY NON- SMALL ENTITY Claims Previously Present Extra Rate Additional Rate Additional Fee
Small entity status of this application under 37 C.F.R. §§ 1.9 and 1.27 has been established No additional fee is required. Postcard included The fee has been calculated as shown below: (Col. 1) (Col. 2) (Col. 3) SMALL ENTITY NON- SMALL ENTITY Claims Previously Present Extra Rate Additional Rate Additional Fee
X
Postcard included The fee has been calculated as shown below: (Col. 1) (Col. 2) (Col. 3) SMALL ENTITY NON- SMALL ENTITY Claims Previously Present Extra Rate Additional Rate Additional Fee
The fee has been calculated as shown below: (Col. 1) (Col. 2) (Col. 3) SMALL ENTITY NON- SMALL ENTITY Claims Previously Present Extra Rate Additional Rate Additional Fee
(Col. 1) (Col. 2) (Col. 3) SMALL ENTITY NON- SMALL ENTITY Claims Previously Present Extra Rate Additional Rate Additional Fee
Claims Previously Present Extra Rate Additional Rate Additional Fee
Claims Previously Present Extra Rate Additional Rate Additional Fee
Remaining Paid For Fee
Total Claims * 89 Minus ** 89 0 x 9 \$ x 18 \$ 0
Indep. Claims *14 Minus *** 14 0 x 43 \$ x 86 \$ 0
First Presentation of Multiple Dependent Claim(s) +145 \$ +290 \$ 0 * If the entry in Col. 1 is less than the entry In Col. 2, write "0" in Col. 3. Total \$ Total \$ 0
* If the entry in Col. 1 is less than the entry In Col. 2, write "0" in Col. 3. Total \$ Total \$ 0 ** If the "Highest No. Previously Paid For" IN THIS SPACE is less than 20, write "20" in this space.
*** If the "Highest No. Previously Paid For" IN THIS SPACE is less than 3, write "3" in this space. The "Highest No. Previously Paid For"
(Total or Independent) is the highest number found from the equivalent box in Col. 1 of a prior amendment or the number of claims originally filed.
Applicant(s) hereby Petition(s) for an Extension of Time of month(s) pursuant to 37 C.F.R.
1.136(a).
Please charge my Deposit Account No. 19-1685 (Order No. MAT-7) the amount of \$ to cover the
additional claims fee. A duplicate copy of this sheet is enclosed. X The Commissioner is hereby authorized to charge payment of the following fees associated with this
communication or credit any overpayment to Deposit Account No. 19-1685 (Order No. MAT-7) (a
duplicate copy of this sheet is enclosed):
X Any additional filing fees required under 37 C.F.R. § 1.16 for presentation of extra claims.
X Any extension or petition fees under 37 C.F.R. § 1.17.
Respectfully submitted,
(/1/15
Jay R Beyer Registration No. 39,907

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re th	e applica	ation of			;)	Perome	iner: Shawnti		T Rug		
	Danie	l J. Devine, c	t al.		;)			II XL	1. Fuqi	14	
Carial b	Va. 10/5	104 34 3			,		Art U	nit: 3742				
Senai I	No: 10/7	00,307			;) \	Attor	ney Docket: M	Δ.	r_7		
Filed:	Noven	nber 12, 200	3		;	Ó	, ittor	doy Docket: Na		,		
_					;)	Date:	April 8, 2005				
For:	For: SHADOW-FREE SHUTTER ARRANGEMENT) AND METHOD)											
•	ANU	METHOD)						
Patent an	nd Trademi	ark Office on Ap	TRANSFE pril 8, 2005	<u>R;</u> I hereby certi	fy that this con	respon	dence is be	Signed: Ja	y R	Beyer	the United	1 States
	issioner (ox 1450	of Patents			•							
		22313-1450										
	•			use for the abo	ura ammliaati							
SIK: I			•		• •			021				
X	_ No a	n entity statu idditional fec card include	is require		ger 3 / C.P.R	c. 88	1.9 and 1	.27 has been es	sta.	blished		
The fee has been calculated as shown below:												
		(Col. 1)		(Col. 2)	(Col. 3)	•	SMA	LL ENTITY		N	ON- SM. ENTIT	
		Claims Remaining		Previously Paid For	Present Ex	tra	Rate	Additional Fee	1	Rate	Additi	onal Fee
Total C	laims	* 89	Minus	** 89		0	x 9	\$	1	x 18	\$ 0	
Indep. (*14	Minus	*** 14		0	x 43	\$]		\$ 0	
				ndent Claim			+145	\$	1	+290	\$ 0	
				try in Col. 2, write			Total			Total	\$ 0	
*** 1	f the "High	nest No. Previous dependent) is th	sly Paid For		E is less than :	3, write	e "3" in this	nis space. space. The "High a prior amendmen				
			by Petitio	n(s) for an Ex	tension of T	ime o	of	mon	th((s) pursu	ant to 37	7 C.F.R. §
		δ(a).	, D	A	0.1605/0-		NT NOTAT	7 7) the amount		c œ		ela o
Please charge my Deposit Account No. 19-1685 (Order No. MAT-7) the amount of \$ to cover the additional claims fee. A duplicate copy of this sheet is enclosed.												
X The Commissioner is hereby authorized to charge payment of the following fees associated with this												
	com	munication or	credit ar	y overpayme	nt to Deposi	t Acc	ount No.	19-1685 (Ord	er	No. MA	T-7) (a	l
				et is enclosed		27	6 D D C	1 16 6	_ •	F.		
X Any additional filing fees required under 37 C.F.R. § 1.16 for presentation of extra claims. X Any extension or petition fees under 37 C.F.R. § 1.17.												
	_	<u>A</u> Ally	extension	d or peddon i	ces under 5	C.F.	.rc. 9 1.17	•				
					Respectfu	illy su	ibmitted,					
					J. 1.	1	Sm					
					Jay R Ber	/er						

Registration No. 39,907

1 of 1

RECEIVED Central fax center

APR 0 8 2005

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re th	e application of) Examiner: Shawntina T. Fuqua
	Daniel J. Devine, et al.)
) Art Unit: 3742
Serial 1	No: 1 0/706,367)
) Attorney Docket: MAT-7
Filed:	November 12, 2003	
	,) Date: April 8, 2005
For:	SHADOW-FREE SHUTTER ARRANGEMENT	
	AND METHOD	_)
	•	
		espondence is being electronically transmitted to the United States Patent
anu Itadi	mark Office on April 8, 2005.	Signed:
		Jay R Beyer

RESPONSE TO RESTRICTION REQUIREMENT

Commissioner of Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

The following amendments and remarks are intended as a full and complete response to the outstanding Office Action dated (mailed) March 10, 2005.

REMARKS

The Examiner has restricted the claims with respect to species A-G as assertedly depicted by Figures 3, 14, 17, 20, 22a, 24 and 26, respectively. Applicants respectfully traverse.

Based on a review of the figures, Applicants have allocated the claims among the various species in a way which is thought to be consistent with the figures, as follows.

SPECIES DESIGNATION	CLAIMS
A	1-5, 7-20, 22-24, 30, 39-43, 45-58, 60-62, 67, 71, 78-89
В	1-5, 7-10, 12, 16, 21-24, 30, 39-43, 45-48, 50, 54-59, 60-62, 67, 71, 78-89
С	1-5, 7-20, 22-24, 30, 39-43, 45-58, 60-62, 67, 71, 71, 80-89
D	1-6, 7-10, 12, 16, 22-25, 30-38, 39-43, 45-48, 50, 54, 60-63, 67, 69, 70-77, 80-89
E	1-3, 6, 22-24, 26, 28, 30, 31, 33-35, 39-41, 44, 60-62, 64, 66, 67, 69, 74-77, 80-89
F	1-3, 6, 22-24, 26-35, 39-41, 44, 60-62, 64-70, 74-77, 80-89
G	1-3, 4, 5, 7-20, 22-24, 30, 39-43, 45-58, 60-62, 67, 71, 78-89

Applicants hereby elect species A with traverse. Specifically, the Examiner asserts that none of the claims are generic. Applicants respectfully disagree and submit that claims 1-3, 22-24, 30, 39-41, 60-62, 67 and 78-89 are generic. Accordingly, it is submitted that allowance of any of these generic claims should additionally result in rejoining all species for examination.

If the Examiner has any questions concerning this case, the Examiner is respectfully requested to contact Mike Pritzkau at 303-410-9254.

Respectfully submitted,

Michael M. Pritzkau Reg. No. 37,913